

UC STUDENTS'
OPEN LETTER TO THE
EXTERNAL ADVISORY
BOARD OF THE
AGRICULTURAL
SUSTAINABILITY
INSTITUTE & SAREP

November 10, 2015

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Note: Only the **UC Student's Open Letter/Presentation to ASI-EAB & SAREP** is available in this document for print. Please follow hyperlinks to all other documents contained herein. **All documents pertaining to Legal & Organizational Accountability are emboldened.**

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UC STUDENTS'
OPEN LETTER TO THE EXTERNAL ADVISORY BOARD OF THE AGRICULTURAL
SUSTAINABILITY INSTITUTE & SAREP

As the students of the University of California, we come to you today to share our often silenced voices, our vision, and concerns we have about our common future. Our intention here is not to disrupt but rather to be present with you, share some stories, and to plant a hopeful seed in your hearts and minds as you enjoy this amazing food.

As documented in numerous studies, including a [report](#) from Food & Water Watch entitled “Public Research, Private Gain”, our University - a public trust and land grant college - faces an ever greater threat of privatization which deepens systemic racial and socioeconomic inequity. The consequences of this are far reaching and cannot be overstated. There exists an Iron Triangle between industry, universities, and the state that has been consistently diverting funding, land, and other resources away from agroecology over the past half century and the threads of this academic repression pose a very direct threat to ASI and SAREP, to faculty in agroecology, to current and future students, and to higher education and civic society. We have big ideas and big dreams, but we won't be able to realize them unless we face this big nightmare.

A recent exposé in the New York Times highlighted a series of internal UC emails released through the Freedom of Information Act (see appendix). These emails outline the working relationship of this iron triangle.

Some of the names contained within this thread involve many of the people at UC Berkeley intimately involved with the plans to destroy historical UC farmland, the Gill Tract Farm. In case you're curious we have a list here, but we'll just name one:

[Steve Lindow](#), Executive Associate Dean of College of Natural Resources & Chair of the Oxford Facilities Unit in charge of [Administering the Gill Tract Farm's Research Facilities](#). Additionally, UCB Senior Planner at Capital Projects Jeff Bond switched over to Albany City Council, shepherding the same proposed Gill Tract development and predictably stonewalling the community outcry with his power of state.

He said that, rather than selling the property outright, they determined that UC Berkeley would “gain the most revenue from the property by contracting with private developers for a long-term ground lease.” He said, "This is not an agricultural area."

Fact 1: This AGRICULTURAL AREA is one of the most famous UC Agricultural Experiment Station Facilities and is the site of a unique partnership with the USDA and the UC.

Fact 2: The land known today as the Gill Tract has been an ecologically rich AGRICULTURAL AREA for all of recorded history and was purchased by the UC using taxpayer dollars.

Fact 3: Research in this AGRICULTURAL AREA is world renowned and has saved literally tens of billions of dollars for the state and for multiple industries -- which is exactly why *some* industries are repressing this invaluable resource.

Given the pretenses of CA 1923 Statutes Chap. 311 under which the Gill Tract Farm was acquired by the UC *quote* **"for use in connection with the department of agriculture of the university,"** it is plausible that developing this land for private commercial use is illegal under CA law (though such a lawsuit has yet to be levied). The CA Legislature appropriated \$100,000 taxpayer dollars to UC to buy land, build greenhouses, etc. for agricultural education close to the UC Berkeley campus. In 1928 UC used this capital to purchase the 104 acre Gill Family Farm with the understanding that it would be used as an agricultural research station in perpetuity.

This land is an integral part of the facilities in the **U.C. Agricultural Experiment Station District facilities that are centrally administered by the VP of ANR**, the position currently held by Dr. Glenda Humiston.

Today, the Gill Tract is home to continuing agricultural research at not only the facilities in the U.C. Experiment Station District, but also the Western Regional Research Center of the USDA. The U.C. Experiment Station District represents a collaborative link between federal and University of California research interests.

The Division of Biological Control facilities at the Gill Tract were critical in conducting joint research with the USDA. This collaboration contributed to the development of biological control applications that have saved growers roughly 2 billion dollars during the past two decades. The continuing need for such research into the suppression of invasive weeds illustrates the value of the groundbreaking work conducted at the Gill Tract. In recent years the U.C. Experiment Station at the Gill Tract facilities have continued to receive funding for agricultural research. In 2000, UCB was a primary subcontractor for grant funds totaling 4 million dollars over three years to study biologically-based control for the area-wide management of exotic and invasive weeds. Generations to come will benefit from these reductions in pesticides pioneered at the Gill Tract.

The concept of integrated pest management was developed in great part due to the research conducted at the Gill Tract. The late Dr. Raymond F. Smith, Entomology Professor at UCB and pioneer in the field of IPM, in 1959 published a seminal paper entitled "The Integrated Control Concept." This paper was hailed by the National Academy of Sciences as "the single most important paper published on crop protection in this century." This paper outlined the concepts of IPM that would be refined in research institutions and applied throughout the world to this day. This work, a primary contributor to concepts that save cotton farmers an estimated \$1,000,000,000 per year, was directly based on earlier work in minimal chemical disturbance conducted at the Gill Tract - research that dramatically advanced agroecology and that saved our state and many industries literally billions of dollars in pesticide costs (to speak nothing of the savings in public health and environmental costs).

One of the most striking examples of the successful use of biological control occurred as a direct result of laboratory research on the Gill Tract. Entomologist Carl Huffaker was charged with developing a way of controlling Klamath weed, also known as St. John's wort. By 1944, the European Klamath weed had rapidly spread through the west and California, threatening some 2.25 million acres of range land, lowering average livestock weight, and seriously affecting the land's grazing capacity. Eventually, due to plummeting land values, it was almost impossible to secure loans for land development using Klamath weed-infested land as collateral. Huffaker was teamed with James Holloway of the USDA, and together their work was a spectacular success, resulting in the permanent control of the Klamath weed in the western states, with enormous benefits to the ranching industry. Land values immediately increased four-fold. As of 1984, it was estimated that \$79 million in savings were produced by the Albany Klamath weed program, and the benefits continue to be felt today. This program at the Gill Tract was the first of its kind in the United States to attempt biological control of an invasive weed and this success is responsible for fostering the establishment and expansion of biological noxious plant control in North America.

And yet, we're told, "This is not an agricultural area." We're told that the use that would bring the most revenue to UC Berkeley would be the development of private rental housing. But consider how this land is valued by the UC system as a whole, by industry, and by public society:

We're not told about the \$79 million in savings produced by the Albany Klamath weed program.

We're not told about the development of biological control applications that, have saved growers roughly \$2 billion during the past two decades.

We're not told that IPM research at the Gill Tract saves cotton farmers an estimated 1 billion dollars per year.

We're not told that research at the Gill Tract brought in \$4,000,000 in grant money to study biologically-based control.

Instead we're told the university wants to continue with its private development project to pave over the historic Gill Tract because it provides 300 more units--because private development will generate short term profits.

How does all this relate to ASI & to this board meeting, you ask?

We want to highlight [the Role of the EAB](#) in identifying high priority research, engaging in outreach and attending to teaching needs and program goals. We want to Invoke ASI's [4 Operational Principles](#): practicing sustainability, legitimacy, usefulness, and credibility. ASI values "walking the talk" of practicing sustainability.

To bring this back to students: there is evidence showing that history and society is accounting for our actions and that we're losing legitimacy, and therefore, future scholars--especially those interested in urban agroecology & food justice. As evidence of this, there is a 138-page Master's thesis by a scholar from Humbolt [slamming the UC & SAREP for not doing enough to support agroecology](#) We learn all this theory about ecosystem services, food justice, and localized food systems, but there's a difference between theory vs praxis.

Are ASI and the UC walking the talk?

Secondly, ASI values legitimacy. Investment in agricultural research at the Gill Tract is in line with ASI's commitment to legitimacy. Research at the Gill Tract is science in the public interest: it serves the entire state and all segments of agriculture and the food system. This land plays a historic, current, and future role in shaping agricultural and food systems and their effects on environment and society.

ASI operates on the principles of usefulness and responsiveness to stakeholders' needs – including the broad interests of society as well as needs of specific groups to maintain relevance.

In ASI's commitment to experiential learning, research and programs at the Gill Tract have the potential to internalize the value of learning-by-doing and actively integrate practical opportunities in educational programs, training, and outreach activities.

As students of sustainable agriculture and food systems, exposure to urban agroecology and food justice in a real-life setting is crucial in binding praxis to theory. To share a testimonial from one of our fellow students that had the opportunity to experience this community-engaged scholarship, she said: "Recognizing the absence of this within my own curriculum, I sought out this experience in an internship at the UC Gill Tract Community Farm this past summer. This experience was invaluable. Never before had I had the opportunity to explore the role an urban farm plays in a community rife with food insecurity, and only now am I just beginning to grasp how necessary and important urban agriculture is to a society where the existing food system is failing them."

Lastly, ASI values credibility. Supporting research at the Gill Tract would promote critical analysis to challenge 'conventional wisdom' and expand our understanding of technical, institutional, and policy options using the best natural and social science methods available.

It would create and sustain mechanisms to identify and assess emerging opportunities and threats, based on scientific analyses and stakeholder input and informed by global trends. Research at the Gill Tract has the opportunity to integrate economic, environmental, and social dimensions of sustainability.

We want to highlight Existing ASI Efforts in the East Bay near the Gill Tract. ASI lists, among its [top 10 accomplishments](#), SAREP's support for small-scale, beginning, and underserved farmers: With it's First Youth-led Urban Ag Tour, building on SAREP's ongoing business development programs.

We can't just say, oh it's UCB, it's over there and they're handling it because:

1. They're not,
2. SAREP has a statewide mandate,
3. ASI/SAREP are engaged in urban farming research projects in areas that surround the Gill Tract,

4. Folks in ASI/SAREP work directly w/ folks working on the Gill Tract. It's a short step away to integrate these existing relationships

SAREP's Deputy Director Gail Feenstra serves on the [UC-ANR Urban Agriculture Team](#) w/ Rob Bennaton & Jennifer Sowerwine who work with the Gill Tract Farm. Student Farm Director Mark Van Horn has been deeply involved with the Sustainable Living-Learning Communities that provides an excellent model for the UC to understand the value proposition of the Gill Tract. Mark serves on Global Food Initiative's Subcommittee on Experiential Learning with UCB's Jennifer Sowerwine & Ann Thrupp who planned to give Secretary of CDFA Karen Ross a tour of the Gill Tract Farm yesterday.

Students spoke w/ Karen Ross -- she advised us to work with ASI on this, that this is an equity issue, and that this is an issue we should take on.

[ASI & ANR are already Collaborating on Urban Ag.](#) Yet while ASI & ANR are actively Mobilizing the Urban Agriculture Movement, the UC is simultaneously preparing to immobilize and erode our UC resources for Urban Agriculture. If we approach these big ideas in isolation, our efforts will deteriorate a moment later because we have ignored what they are connected to, taking a business-as-usual approach rather than an integrated systems approach.

And technically, **engaging with the Gill Tract Farm is part of SAREP's CA legislative mandate. The duty of SAREP -- to quote the legal mandate -- includes "planning for and management of University of California farmlands committed to supporting long-term continuous research in sustainable agricultural practices and farming systems."**

The research conducted at the Gill Tract Biological Control Center in the mid 20th century laid the foundations for [the legislation that created SAREP](#) and the Biologically Integrated Farming Systems (BIFS) program. A [former SAREP director, Sean Swezy, completed his graduate study at the Gill Tract](#) (whom was also involved w/ the BIFS program) This pioneering research was highly controversial at the time due to the threats it posed to commercial interests, namely the pesticide industry. Though biological control has since been largely embraced and institutionalized, the broader field of agroecology is still met with resistance.

The controversy that was biological control then parallels the controversy that urban agroecology represents today -- along with all the opportunity, and funding that comes with embracing this controversy and rejecting privatization and corporate control. Now, THAT's a BIG idea. We know it's also a scary idea to stand up to this Systematic Repression of Agroecology. But again, we have to face this nightmare in order to realize our big ideas, our big dreams. We as students and community members cannot do it alone. We must face this together:

We're sure many of you remember a famous book, *Silent Spring*, the change that it inspired, the reasons why it was written, the ways in which it has impacted your generation and the creation of this organization.

So what are we asking of you?

1) We are holding ASI accountable to its organizational values and SAREP to its legal mandate. Dr. Humiston, we recognize that you are in a uniquely powerful position of authority as VP of ANR and the central administrator for the U.C. Agricultural Experiment Station District. Having just come from the USDA, who better to rekindle the partnership between the Gill Tract Farm and the neighboring Western Regional Research Center of the USDA which was built upon 15 acres of the original 104 acres purchased by the UC. Based on the [Memorandum of Understanding](#) that created ASI, SAREP's [Legislative Mandate](#), & the VP of ANR's [Centralized Administrative Authority](#) over the Agricultural Experiment Stations, We're counting on you [Dr. Humiston, Dean Dillard, & the leadership of ASI/SAREP](#) to work together to intervene *with your direct authority over the lands in question, & reinstate active USDA partnership in coordination w/ the existing Stewardship Council* that includes community representatives.

2) ASI's EAB provides substantial constituency that can support this: We can *build greater partnership between professors such as Miguel Altieri & Amelie Gaudin*. We can *explore how this interfaces w/ EAB Member Ashley Boren's work with [Sustainable Conservation](#)*. We can *engage Joann Lo, regarding the union-busting policies of the planned development's Anchor tenant, Sprout's Farmer's Market (or as we like to call it, Sprouts "farmer-less market")*, which undergirds industrial agriculture and exploitative labor systems. We can *work w/ D'Artagnon Scorza, Andrew Baskin, & with Mark Van Horn's position with Urban Tilth, along with Gail Feenstra & SAREP's partners around the Gill Tract to implement programs for communities of color*.

Because this connects deeply with racial inequity that disproportionately impacts indigenous peoples and communities of color in the food system, working to stop this development and helping to pioneer a center for urban agroecology and food justice through an inter-institutional collaboration that models cooperation and community-engaged scholarship is a moral imperative. This is a concrete process that we propose for ASI *to engage with immediately and to build rapport with community [stakeholders](#) facing some of the worst food insecurity and environmental injustice in CA*.

3.) Because [Community Efforts at the Gill Tract Mirror Statewide Policy Goals](#), we propose that ASI/SAREP/ANR *work w/ students & community stakeholders in articulating the [holistic](#) value proposition of the Gill Tract for the state of California and engage with students in community more often for constructive and valuable critical feedback*. Invoking the logic often used for the creation of cooperatives (for example, horizontal coordination for vertical integration), both ASI & the UC Community Gill Tract Farm need funding & greater community engagement & rapport. Efforts can combine to create a value proposition for funding that's greater than the sum of its parts.

The task of our generation with Sustainable Agriculture is not small and this is a question of intergenerational justice. Generations before yours paid for farmland at the Gill Tract with taxpayer dollars and it is for research and education in agriculture. Please hear us and link this knowledge with right action. We are the seeds of ASI. We care about it's future as a critical

resource as we care about the UC Gill Tract Farm's future as a critical resource for generations to come. We need the farmland we have for real sprouts that won't be paved over by a strip mall w/ a greenwashed Sprouts grocery store that undergirds industrial agriculture. As an Institute for Sustainable Agriculture, we're depending on you to walk the talk just as the future generations are depending on us right now. We hope that the seeds that we're planting with you today will take root in your hearts and minds and be given the chance to not merely seek out the cracks in the pavement, but to thrive and blossom.

Appendices

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Appendix A -- CA Legislation Documents

1. [1923 Statute Chapter 311](#): ***"An Act to provide additional land and buildings for use in connection with the department of agriculture of the University of California at Berkeley and making an appropriation therefor"***
 - a. [2004 SF Gate Article](#): "When UC wanted to reap a profit by selling the Schmidt Tract in 1940, **the attorney for the regents declared that the university would be on safe legal ground if it transferred the agricultural use to the Gill Tract, a former nursery purchased by UC in 1928 from the Gill family.** Attempts to obtain comment from UC Berkeley and UC systemwide officials on whether the Berkeley campus is still obliged to maintain the Gill Tract or equivalent agricultural research land similarly near to campus were unsuccessful"
2. [CA AB-1891](#) Section 552-553 of Article 8 in Chapter 3 of Part 1 of Division 1 of the Food and Agricultural Code, relating to agriculture: **SAREP's Legislative Mandate**

Appendix B -- ASI/SAREP Documents

1. UC Davis [Memorandum of Understanding](#) Concerning Management of ANR-SAREP in Conjunction w/ CAES-ASI
2. ASI's [Operational Principles](#)
3. ASI's/SAREP's External Advisory Board: [Purpose & Operation](#)
4. ASI's [Advisory & Accountability Structure](#)
5. ASI's [Stakeholders](#)
6. ASI's [2015 Top Ten Accomplishments](#)
7. SAREP Food & Society Research Initiative in Regional Food Systems Marketing & Supply Chains: [Urban Agriculture](#)
 - a. SAREP's Blogpost: [UC provides the resources to help Urban Ag succeed](#)

Appendix C -- UC Berkeley Documents

1. Bay Area Coalition for Urban Agriculture (BACUA) [Report](#) Highlighting repression of agroecology
2. LSA [Report](#): Experiment Station Research & History
3. College of Natural Resources [\(CNR\) Research Centers](#)

Appendix D -- UC-ANR Documents

1. UC-ANR: [Urban Agriculture](#)
 - a. UC-ANR's Urban Agriculture [Research](#)
 - b. UC ANR's [Urban Agriculture Team](#) & Contacts

Appendix E -- UCOP Documents

1. VP of ANR's Central Administration of UC [Agricultural Experiment Station](#) District

Appendix F -- "The Iron Triangle" (Industry, Universities, & The State):

1. [*Public Research, Private Gain: Corporate Influence Over University Agricultural Research*](#) -- Food & Water Watch report
2. Internal UC emails released through the Freedom Of Information Act
 - a. New York Times: [*Food Industry Enlisted Academics in G.M.O. Lobbying War, Emails Show*](#)
 - b. Independent Science News: [*The Puppetmasters of Academia \(or What the NY Times Left out\)*](#)
 - c. [*\(Very Partial\) Wall of Shame of Complicit UC Folks*](#) -- Exposed through FOIA emails & their role in systematically repressing agroecology (ie: the planned destruction of UC Farmland)
 - d. [*Monsanto/Fedoroff Letter to the EPA*](#) w/ UC Signatories
 - i. [*Federoff's Positionality*](#)
 - e. [*Monsanto's Assignment for UC-WFC Roger Beachy*](#)
 - i. [*Beachy's Complicit Response*](#)
3. Related Articles
 - a. Sacramento Bee: [*Biotech Industry Funds Bumper Crop of UC Davis Research*](#)
 - b. Race, Poverty & the Environment Journal, Vol. 19, No. 1, Public Property Popular Power: New Majority Rising (2012), pg. 38-4: [*Occupying the Future, Starting at the Roots*](#)
 - c. [*Interview*](#) w/ Former SAREP Director Sean Swezey who studied at the Gill Tract
 - d. Humbolt Scholar Elisabeth Marie Keesling's 138-page Master Thesis slamming the UC & SAREP for repressing agroecology: [*SUSTAINABLE AGRICULTURE AT THE UNIVERSITY OF CALIFORNIA: KNOWLEDGE, TECHNOLOGY, AND DEVELOPMENT FOR THE BENEFIT OF WHOM?*](#)

- e. [*Investing in the Transition to Sustainable Agriculture*](#) -- (DeLonge, Miles, Carlisle)
 - f. [*Counting on Agroecology*](#) -- Union of Concerned Scientists
 - i. Note the Iron Triangle relationship between USDA-NIFA (the state), Universities, Roger Beachy & industry-affiliated network (see above Beachy's Complicit Response to Monsanto & Wall of Shame documents)
 - ii. See [UCS Infographic](#)
 - g. [*The CNR-Novartis Alliance*](#) -- Students for Responsible Research
 - h. Democracy Now Interview: [*Silencing the Scientist: Tyrone Hayes on Being Targeted By Herbicide Firm Syngenta*](#)
 - i. Independent Science News: [*How the Great Food War Will Be Won*](#)
4. Historical Accounts
- a. Historical Accounts
 - i. Agriculture & Human Values: [*The killing fields: Science and politics at Berkeley, California, USA*](#)
 - ii. [*Silent Spring*](#) -- Carson 1962 (pg 50 on Gill Tract's Klamath Weed Program, 134, 135, 151)
 - 1. In reference to the value of the work done at the Gill Tract Farm: "...biological control has suffered from lack of support. California is virtually alone among the states in having a formal program in biological control, and many have not even one entomologist who devotes full time to it." (pg. 151)
 - iii. 1969 [Agricultural Field Stations](#) Headquartered at UC Davis -- Gill Tract (pg 16)
 - iv. Gill Tract in the [Centennial](#) of the UC

- v. [VEDALIA 1949](#) (pg 9)
- vi. [VEDALIA 1955](#) (pg 34)
- vii. [VEDALIA 1956](#) (pg 1, 15)
- viii. [VEDALIA 1965](#) (pg 4, 12, 21, 22, 24, 27)
- ix. [VEDALIA 1967](#) (pg 6, 11, 12, 14, 28, 29, 35, 36, 42)
 - 1. note: dramatic increase in visiting scientists & graduate students at the Gill Tract on pg 11
- x. [1960 University Bulletin](#): A Weekly Bulletin for the Staff of the UC (pg 105-106)
 - 1. **“Campus Plan Modified: Official modifications of the 1956 Berkeley Campus Long Range Development Plan to include amendments to 1960 were approved... The modifications of the plan also firm up the future uses of the Gill Tract. Some 33.5 acres in the northeasterly area, allocated in 1956 for agricultural use, will be devoted to College of Agriculture laboratories, greenhouses and related structures, and to open plot cultivation”**
- xi. Historical Individuals
 - 1. [Robert van den Bosch](#) at the Gill Tract
 - a. sudden heart-related death
 - 2. [Everett Dietrick](#) at the Gill Tract
 - 3. [Edward Steinhaus](#) at the Gill Tract
 - 4. Names in Section of UCB’s LSA Report entitled [“Strange Mortalities of Biological Control Specialists”](#) (pg. 93-94) taken from [UC Riverside history of Biological Control](#) (see [photo](#))

- a. [Owen Jefferson Smith](#)
 - i. reported suicide - lynched
 - b. [Irwin “Irv” Mayer Newell \(photo\)](#)
 - i. reported suicide - shotgun
 - c. [Giulio Zinna](#) (pg 32)
 - i. reported suicide - fell from 8-story building
 - d. [David Paul Annecke](#)
 - i. reported suicide
 - e. [Powers Slater Messenger](#)
 - i. sudden heart-related death
 - f. [Blair Bartlett](#)
5. Gill Tract Researchers & [Honorary Members of IOBC Global](#):
- a. Prof. Paul H. DeBach, 1914–1992, USA (pg. 14)
 - i. sudden heart-related death
 - b. Ken S. Hagen, 1919–1997, USA (pg. 24)
 - i. sudden heart-related death
 - c. Carl B. Huffaker, 1914–1995, USA (pg. 32)
 - i. sudden heart-related death
- xii. Other Names
- 1. [1945](#) Faculty/Staff/Students/Alumni (Special Issue Honoring Gill Tract Scientists’ US Military Service including Hagen @ Normandy, etc.)
 - 2. [1949](#) Faculty/Staff/Students/Alumni (pg 4-22)
 - 3. [1950](#) Faculty/Staff/Students/Alumni (pg 4-22)

Appendix G: Systemic/Institutional Racial Factors

- 1. Civil Eats: [Does U.S. Farm Policy Have a Race Problem?](#)

2. Haas Institute's Global Justice Program: [*The US Farm Bill: Corporate Power and Structural Racialization in the US Food System*](#)
3. UC Davis & C-PREP: Decolonizing Food Justice: [*Naming, Resisting, and Researching Colonizing Forces in the Movement*](#)
4. American Quarterly: [*Dispatches from Pepper Spray University-- Privatization, Repression, and Revolts*](#)
5. The Journal of Peasant Studies: [*The Long Green Revolution*](#)
6. [*The Origins of the Green Revolution*](#) - Cleaver
7. [*The Violence of the Green Revolution: Third World Agriculture, Ecology & Politics*](#) - Shiva
8. [*Development Arrested: The Blues & Plantation Power in the Mississippi Delta*](#) - Woods
9. [*Racism, Culture, Markets*](#) - Gabriel
10. [Rev. Martin Luther King Jr's Speech linking systemic racism, socioeconomic injustice, and historic disenfranchisement with Land Grant Colleges](#) (video)
11. INFAS [Preamble](#) & [Statement](#) on Racial Equity

Appendix H: Sprouts Documents

1. [Sprouts Employees Speak Out](#)

Appendix I: Vision

1. Prof. Miguel Altieri: [*Gill Tract Occupation's Mission Mirrors State Public Policy Goals*](#)
2. SEAL [Report](#) (See Pgs 95-124)
3. Related Research:

- a. iPES Report: [*The New Science of Sustainable Food Systems: Overcoming Barriers to Food Systems Reform*](#) -- (Executive Summary)
- b. [*8 Forms of Capital: A Whole System of Economic Understanding*](#) - Roland & Landua
- c. Environmental Sustainability: [*Transformative, transgressive social learning: rethinking higher education pedagogy in times of systemic global dysfunction*](#)
- d. Agriculture & Human Values: [*Re-visioning agriculture in higher education: the role of campus agriculture initiatives in sustainability education*](#)
- e. Natural Sciences Education: [*Students' Experiential Learning and Use of Student Farms in Sustainable Agriculture Education*](#)
- f. Environmental Education Research: [*Education for sustainable agriculture: a typology of the role of teaching farms in achieving learning goals and objectives*](#)
- g. Journal of Agricultural & Food Information: [*Sustainable Agriculture Education Association: College Farms Taking Root*](#)
- h. Pedagogical Innovations for Sustainable Development: [*Growing PEAS at the Duke Campus Farm: An Analysis of Post-Secondary Sustainable Agriculture Education Curricula*](#)
- i. Agroecology and Sustainable Food Systems: [*Food for Thought: Developing Curricula for Sustainable Food Systems Education Programs*](#)
- j. American Anthropologist: [*Campus Sustainable Food Projects: Critique and Engagement*](#)

- k. US-China Education Review: [*Sustainability, crossdisciplinarity and higher education—From an agronomic point of view*](#)
- l. Journal of Agriculture, Food Systems, & Community Development: [*Alternative Agrifood Projects in Communities of Color: A Civic Engagement Perspective*](#)
- m. [*Facilitating Change in the Food Justice Movement*](#) -- Scorza, Henderson, Castillo